

AI automation in Quality Assurance

AI automation in Quality Assurance can ensure a consistently high-level quality your brand is known for, while saving cost.

Do you have manual Quality Assurance in your product? Then it is a wise investment to keep reading!

Denmark is known to produce and sell high quality goods all over the world, everything from Arla, Louis Poulsen, Danish Crown, Velux, Coloplast among others.

It requires great dedication and focus on quality to execute manual quality assurance through "normal" visual inspection. This is typically not a sustainable solution as the manual inspection is costly, inefficient and bound by human errors.

Edge Machine Learning ensures consistency within quality assurance. Errors are caught in real-time and reported back in line, meaning that the technology can both help identify mistakes and over time minimize errors.

The technology has become more profitable with recent leap in quality, as a result of the emergence "self-driving" cars.

As an example, the Tesla cars are using the same technology to navigate the traffic, thereby driving autonomously.

Just like the self-driving car, we are progressing gradually, first the ML assistant will point out suspicious areas to the inspector, though its validation to continuously improve the Machine Learning models ability to identify errors and thereby over time become able to discover errors autonomously.

1. Velux experience with Edge ML, is so good that and motivating that every company with manufacturing in Denmark should listen in.
2. Edge ML will be one of the most value adding technologies in the future for these companies. It is expected that 20% of leading manufactures will rely on AI, IoT and blockchain applications by 2021 – IDC FutureScape: Worldwide IT Industry Predictions
3. The Backend is an Azure Cloud solution, the Edge element consist of Microsoft Edge ML technology, where Velux is one of four in the world to have access to this new and exciting technology.



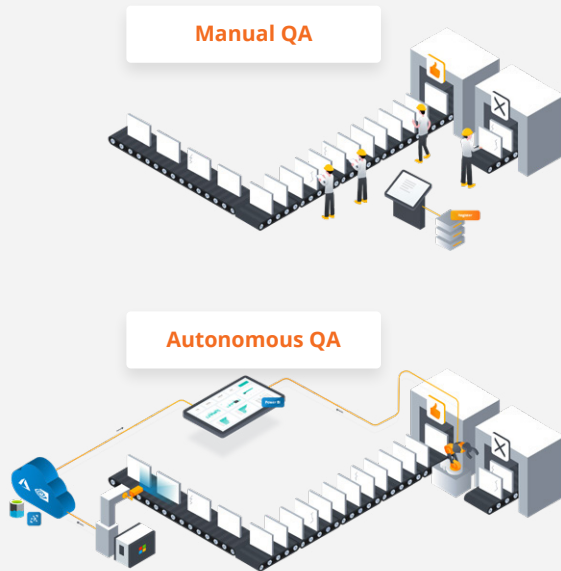
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Solution:

1. The solution will follow an iterative process you, in which we will showcase **Proof of Concept**, how others have used this technology e.g. Velux.
2. The second step is showcasing **Proof in Production**, in which we you can send us 10-50 product errors for a Machine Learning experiment, and we will provide a proof of how the technology works and how you can get started with Edge ML.
3. Third step is implementing an **Assisted Machine Learning Solution**, where the technology will identify errors which will be approved or corrected by an inspector.
4. Fourth step of the solution is the final product, with a **Fully Autonomous Machine Learning Solution** which is able to identify errors without requiring assistance.

Learn about machine learning

- Industry 4.0 Edge ML can power a a new generation of industrial robots
- Technology is available: Most people have the Machine Learning power in their pocket
- Less risk: Edge AI embeds performance, security and less operational costs

Do you want to learn more about how Machine Learning Quality Assurance can improve your current QA set-up? Contact Rasmus Bisgaard on: email and phone for more information.

Action: Date

Book a free two-hour date with one of our data scientists, you will tell us about your need Machine Learning and wishes for future operations. As we go along, we use our whiteboard to sketch out various solutions and ultimately design the most suitable use of the technology for you. This helps us provide insight into your company's possibilities with Edge ML. Contact Rasmus Plaetner Bisgaard to set up a meeting. Contact info can be found at the bottom of the page.

Send us: Proof of technology

Send us 10-50 product errors for a Machine Learning experiment and we will provide a proof of technology and show you how to get started with Edge ML.